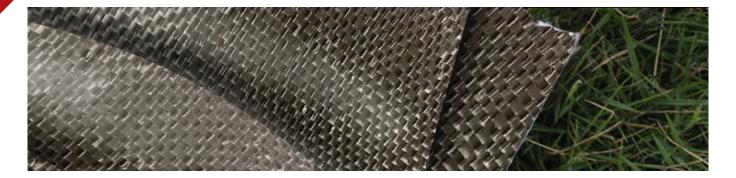
# TerraTextile - Woven Tape X Tape





TerraTextile - W  $TT_{pp}$  are individual threads of slit films or tapes that are woven on a loom to manufacture woven geotextile. It provides excellent stabilisation and separation characteristics ideally for ground reinforcement and segregation applications. TerraTextile - W TT<sub>pp</sub> fabrics strive to provide dimensional stability and deliver superior load distribution.

# **Applications**

Separation and Stabilisation: The high strength property of TerraTextile - W  $TT_{pp}$  provides stabilisation over soft or poorly drained soils. It also helps to restrict the upward flow of water and finer soil particles into the gravel, which would otherwise

drastically reduce the load carrying capacity of the sub grade. Stabilisation application of this TerraTextile acts jointly with the function of separation.

- **Secondary Reinforcement:** TerraTextile W TT<sub>pp</sub> can be used as secondary reinforcement for Mechanically Stabilised Earth fill for controlling deformation and restricting movements during construction phases. Due to lower permeability rates of this type of TerraTextile, additional drainage provisions should be taken into consideration while using marginal fills.
- **Silt Fence:** TerraTextile W TT<sub>pp</sub> acts as a temporary barrier to mitigate silt and other sediment from polluting nearby streams, rivers and sensitive environments.

### **Technical Parameters**

| Properties  | Test Method      | Unit              | TW-TT <sub>pp</sub> 100                 | TW-TT <sub>pp</sub> 180 | TW-TT <sub>pp</sub> 200 | TW-TT <sub>pp</sub> 250 | TW-TT <sub>pp</sub> 270 | TT-WT <sub>pp</sub> 315 |
|---|------------------|-------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|   |                  |                   | Minimum Average Roll Value <sup>i</sup> |                         |                         |                         |                         |                         |
| Mechanical Properties                               |                  |                   |   |                         |                         |                         |                         |                         |
| Wide Width Tensile<br>Strength at break             | ASTM D 4595      | kN/m              | 15                                      | 20                      | 25                      | 30                      | 35                      | 40                      |
| Wide Width<br>Elongation                            | ASTM D 4595      | %                 | 15                                      | 15                      | 15                      | 15                      | 15                      | 15                      |
| Grab Tensile<br>Strength                            | ASTM D 4632      | kN                | 0.550                                   | 0.800                   | 0.889                   | 1.112                   | 1.200                   | 1.401                   |
| Grab Elongation                                     | ASTM D 4632      | %                 | 15                                      | 15                      | 15                      | 15                      | 15                      | 15                      |
| Trapezoid Tear                                      | ASTM D 4533      | kN                | 0.200                                   | 0.310                   | 0.333                   | 0.400                   | 0.444                   | 0.533                   |
| CBR Puncture<br>Resistance                          | ASTM D 6241      |                   | 1.445                                   | 2.668                   | 3.113                   | 4.003                   | 4.448                   | 4.448                   |
| Hydraulic Properties                                |                  |                   |   |                         |                         |                         |                         |                         |
| Permittivity  | ASTM D 4491      | sec <sup>-1</sup> | 0.10                                    | 0.05                    | 0.05                    | 0.05                    | 0.05                    | 0.05                    |
| Water Flow Rate                                     | ASTM D 4491      | l/m²/s            | 6.75                                    | 2.72                    | 2.72                    | 2.72                    | 2.72                    | 2.72                    |
| Maximum Apparent<br>Opening Size (AOS) <sup>i</sup> | ASTM D 4751      | μ                 | 600                                     | 841                     | 425                     | 425                     | 425                     | 425                     |
| UV Resistance at 500 hrs                            | ASTM D 4355      | %                 | 70                                      | 70                      | 70                      | 70                      | 70                      | 70                      |
| pH Range  | ASTM<br>D2165-94 |                   |   | 2-13                    |                         |                         |                         |                         |
| Standard Packagin                                   | 9                |                   |   |                         |                         |                         |                         |                         |
| Roll Dimensions Width x Length <sup>ii</sup>        |                  | m                 | 3.81x131.49<br>4.57 x 109.62            | 3.81 X 131.49           |                         |                         | 3.81 X 109.71           |                         |
|   |                  |                   |   | 4.57 X 109.62           |                         |                         | 4.57 X 91.46            |                         |
|   |                  |                   |   | 5.33 X 93.99            |                         |                         | 5.33 X 78.42            |                         |
| Estimated Roll Area <sup>iii</sup>                  |                  | m²                | 501                                     | 501                     |                         |                         | 418                     |                         |

All the values mentioned are of minimum average roll values (MARV) except for apparent opening size (AOS) which is maximum average roll value (MaxARV) These values are subject to  $\pm 1\%$  variation possible

## Other roll sizes also available

- A. These properties may change at the time of handling, storage and shipping.
- B. Other grades and polyester material also available as per requirement
- C. The values can be customized.
- D. The above values are subject to change as per discretion of the company.

#### www.terre-armee.com

Local Contact:

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